

**MEGAN RADUAZZO**

## **OBJECTIVE**

My present objective is to find opportunities which allow me to apply the knowledge and skills I have acquired in my training.

## **SUMMARY**

- Excellent analytical and problem-solving skills
- Training in organic laboratory synthetic techniques
- Strong ability to work in teams and collaborations
- Extensive experience teaching general chemistry laboratories and tutoring in general chemistry concepts
- Excellent organization and leadership skills
- Knowledge of the internet, Power Point, Excel , GRAMS Spectroscopy Software, QUAL ID Spectroscopy Software

## **EDUCATION**

Completed one year of graduate school credits in Chemistry at the University of Rhode Island, September 2010 – May 2011

Graduated with a Bachelors of Science in Chemistry and Forensic Chemistry from the University of Rhode Island, May 2010

Graduated with high honors from Oliver Ames High School, June 2006

## **HONORS AND AWARDS**

University Merit Scholarship

Member of Phi Eta Sigma, freshman honor society at University of Rhode Island

## **EXPERIENCE**

### **Research Assistant URI, Department of Chemistry**

September 2007 –May 2010

- Conducted research using IR and NIR instrumentation to figure out what baseballs were made out of and how they changed from the year 1960 to the year 2000. We examined baseballs from 1960, 1979, 1980, 1990, and 2000. We were able to determine that they had changed the types of fibers to man-made synthetic fibers starting in the year 1979, as well as changed the cores from strictly cork to more rubber induced cork. Both of these changes gave the baseballs more of a bounce.
- Conducted research using IR and NIR instrumentation to form two reference libraries , one of oil samples and the other of biological samples. The purpose of developing these reference libraries is so that the spectra can be used as reference samples for future projects.
- A large sample of a cable was pulled up by an anchor of a ship in the middle of the ocean and was suspected of being a part of a main line century old submarine cable. A piece of this cable was sent to us by a local television show, History Detectives on PBS, in the hopes that we could prove that it was indeed a part of that submarine cable and what exactly it was made up of. We were able to identify that the cable was made from a mixture of hemp, steel rods and a rubber - like material called gutta percha, using GRAMS spectroscopy software. The television show then came to our lab and filmed an episode featuring our findings.

**Teaching Assistant URI, Department of Chemistry**

September 2010 – May 2011

- Instructed 5 sections of freshman general chemistry labs
- Personal Tutoring in general chemistry

**GENERAL WORK EXPERIENCE**

June 2009 – May 2010 URI Recycling Center, Kingston RI

- Responsible for the promotion and education of recycling practices on campus
- Organized and participated in campus events
- Drove the recycling truck and collected daily recyclables around campus

July 2008 Brockton Public Schools Summer School Program, Brockton MA

- Teacher's Assistant in a Second Grade Math Classroom

**ACTIVITIES AND INTERESTS**

Member of the University of Rhode Island Chorus September 2006 – May 2008

Treasurer of the University of Rhode Island Dance Company September 2008 – May 2009

President of the University of Rhode Island Dance Company September 2009 – May 2010

Faculty Advisor of the University of Rhode Island Dance Company September 2010 – May 2011

**Professional References available upon request**